Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/25/2022 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124548	-1	1.28	124470	1.26
Blue	F	SSC	125000	124055	-1	2.43	124481	2.30
Blue	E	FITC	13602	13236	-3	2.26	371	13.22
Blue	D	PE	24891	24585	-2	1.63	584	10.22
Blue	B	PerCP-Cy5-5	33972	33142	-3	2.90	946	14.65
Blue	A	PE-Cy7	22865	22920	0	4.87	479	30.28
Red	C	APC	47198	46386	-2	2.61	1601	11.19
Red	A	APC-Cy7	26454	25732	-3	3.14	727	11.94
Violet	B	V450	6737	6428	-5	3.79	445	11.10
Violet	A	V500	29317	27969	-5	3.41	953	8.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24196	2.26	534	-1	N/A	N/A	Pass
Blue	F	SSC	55788	1.91	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	485	1	0.0453	102	Pass
Blue	D	PE	115	38.92	488	2	0.4841	405	Pass
Blue	B	PerCP-Cy5-5	149	41.34	580	1	0.0207	95	Pass
Blue	A	PE-Cy7	79	80.87	624	3	0.0228	6	Pass
Red	C	APC	336	25.78	571	-1	0.0306	260	Pass
Red	A	APC-Cy7	136	34.42	549	-2	0.0070	1654	Pass
Violet	B	V450	76	45.94	446	-4	0.0672	2594	Pass
Violet	A	V500	112	31.06	465	-4	0.0264	923	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.82	-31.38	1.08
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.76	13.90 - 20.86	N/A	N/A	29.74	30.03	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 14144

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments